

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/BE2004/000084

<b>A. CLASSIFICATION OF SUBJECT MATTER</b> IPC 7 E02F3/92		
According to International Patent Classification (IPC) or to both national classification and IPC		
<b>B. FIELDS SEARCHED</b> Minimum documentation searched (classification system followed by classification symbols) IPC 7 E02F		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the International search (name of data base and, where practical, search terms used) EPO-Internal, PAJ		
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2 002 749 A (NEVELING SR ALOYS) 28 May 1935 (1935-05-28) page 1, left-hand column, line 51 - page 2, right-hand column, line 60 figures 1,2,4	1-4,8-10
A	NL 7 408 623 A (IHC HOLLAND NV) 30 December 1975 (1975-12-30) page 3, line 19 - line 21 figure 1	1,6,7
A	DE 26 08 665 A (ZIMMERMANN & JANSEN GMBH) 8 September 1977 (1977-09-08) figures 1-4 page 17, paragraph 2 <div style="text-align: right; margin-top: 10px;">-/-</div>	1,6,8,9
<div style="display: flex; justify-content: space-between;"> <span><input checked="" type="checkbox"/> Further documents are listed in the continuation of box C.</span> <span><input checked="" type="checkbox"/> Patent family members are listed in annex.</span> </div>		
* Special categories of cited documents :		
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>*A* document defining the general state of the art which is not considered to be of particular relevance</p> <p>*E* earlier document but published on or after the International filing date</p> <p>*L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>*O* document referring to an oral disclosure, use, exhibition or other means</p> <p>*P* document published prior to the International filing date but later than the priority date claimed</p> </div> <div style="width: 45%;"> <p>*T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>*X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</p> <p>*Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.</p> <p>* &amp; * document member of the same patent family</p> </div> </div>		
Date of the actual completion of the International search  <div style="text-align: center;">17 September 2004</div>	Date of mailing of the International search report  <div style="text-align: center;">27/09/2004</div>	
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax (+31-70) 340-3016	Authorized officer  <div style="text-align: center;">Sheppard, B</div>	

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 469 841 A (MC DOUGALL) 1 March 1892 (1892-03-01) figures page 2, left-hand column, line 42 - right-hand column, line 71	1,8
A	NL 7 302 167 A (TOSHINOBU ARAOKA) 20 August 1974 (1974-08-20) figures 1,2,4-7,9	1
A	US 3 004 392 A (SYMMANK WILLIAM D) 17 October 1961 (1961-10-17) figures 13,14	1
A	US 4 728 256 A (ARAOKA TOSHINOBU) 1 March 1988 (1988-03-01) figures 3-5,8,10-12	1
A	JP 52 093144 A (KAYABA INDUSTRY CO LTD) 5 August 1977 (1977-08-05) figures	1
A	US 1 821 177 A (ROGER ELLIS WILLIAM) 1 September 1931 (1931-09-01)	

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

T/BE2004/000084

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 2002749	A	28-05-1935	NONE	
NL 7408623	A	30-12-1975	NONE	
DE 2608665	A	08-09-1977	DE 2608665 A1	08-09-1977
US 469841	A		NONE	
NL 7302167	A	20-08-1974	NONE	
US 3004392	A	17-10-1961	GB 949077 A	12-02-1964
US 4728256	A	01-03-1988	JP 62026399 A	04-02-1987
			AT 37405 T	15-10-1988
			AU 593243 B2	08-02-1990
			AU 5633986 A	29-01-1987
			CA 1268664 A1	08-05-1990
			DE 3660774 D1	27-10-1988
			EP 0209635 A1	28-01-1987
			KR 9507377 B1	10-07-1995
JP 52093144	A	05-08-1977	JP 1217269 C	17-07-1984
			JP 58049662 B	05-11-1983
US 1821177	A	01-09-1931	NONE	